GOT3846T-832

All-in-One
8.4” SVGA TFT Fanless Compact-Size
PANEL PC

User’s Manual

Disclaimers

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Safety Precautions

Before getting started, please read the following important safety precautions.

1. The GOT3846T-832 does not come equipped with an operating system. An operating system must be loaded first before installing any software into the computer.
2. Be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and place all electronic components in any static-shielded devices. Most electronic components are sensitive to static electrical charge.
3. Disconnect the power cord from the GOT3846T-832 before any installation. Be sure both the system and external devices are turned OFF. A sudden surge of power could ruin sensitive components that the GOT3846T-832 must be properly grounded.
4. The brightness of the flat panel display will be getting weaker as a result of frequent usage. However, the operating period varies depending on the application environment.
5. Turn OFF the system power before cleaning. Clean the system using a cloth only. Do not spray any liquid cleaner directly onto the screen. The GOT3846T-832 comes with a touchscreen. Although the touchscreen is chemical resistant, it is recommended that you spray the liquid cleaner on a cloth first before wiping the screen. In case your system comes without the touchscreen, you must follow the same procedure and not spray any cleaner on the flat panel directly.
6. Avoid using sharp objects to operate the touchscreen. Scratches on the touchscreen may cause malfunction or internal failure to the touchscreen.
7. The flat panel display is not susceptible to shock or vibration. When assembling the GOT3846T-832, make sure it is securely installed.

   - Do not open the system's back cover. If opening the cover for maintenance is a must, only a trained technician is allowed to do so. Integrated circuits on computer boards are sensitive to static electricity. To avoid damaging chips from electrostatic discharge, observe the following precautions:Before handling a board or integrated circuit, touch an unpainted portion of the system unit chassis for a few seconds. This will help to discharge any static electricity on your body.
   - When handling boards and components, wear a wrist-grounding strap, available from most electronic component stores.

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Table of Contents

Disclaimers ii
Safety Precautions iii

CHAPTER 1 INTRODUCTION 1
1.1 General Description 2
1.2 Specifications 3
1.2.1 Main CPU Board 3
1.2.2 I/O System 3
1.2.3 System Specification 4
1.3 Dimensions 5
1.4 I/O Outlets 7
1.5 Packing List 8

CHAPTER 2 HARDWARE INSTALLATION 9
2.1 Open back cover 10
2.2 CF card Installation 11
2.3 Serial Ports Interface 13
2.3.1 COM1&COM2 Connector 14
2.3.2 COM3&COM4 Connector 14
2.4 Ethernet 15
2.5 Mountings: Panel / Wall / Desktop / VESA 16
2.5.1 VESA-ARM/Wall-Mount 16
2.5.2 Panel-mount Kit Assembly 17
2.6 HDD Installation 18
2.7 DRAM Installation 21
2.8 Wireless LAN Card Installation 25
2.9 Power 27

CHAPTER 3 AMI BIOS SETUP UTILITY 29
3.1 Starting 29
3.2 Navigation Keys 30
3.3 Main Menu 31
3.4 Advanced Menu 32
3.5 Chipset Menu 39
3.6 Boot Menu 41
3.7 Security Menu 42
3.8 Exit Menu 43

CHAPTER 4 DRIVERS INSTALLATION 45
4.1 System 45
4.2 Touch Screen 46
4.2.1 Specification 46
4.2.2 Driver Installation- Windows 7 46
4.3 Embedded O.S. 49
4.3.1 WES 7 49

CHAPTER 1
INTRODUCTION

This chapter contains general information and detailed specifications of the GOT3846T-832. Chapter 1 includes the following sections:

- **General Description**
- **Specification**
- **Dimensions**
- **I/O Outlets**
- **Package List**

1.1 General Description

The GOT3846T-832 adopts a 8.4-inch SVGA TFT LCD with 450-nit brightness and an Intel® Atom™ processor N2600 1.6 GHz to provide excellent computing performance and thermal resistance. This fanless platform is especially designed for operating under heavy-duty environment including steel refinery, oil pipe, ship, machine maker operating systems and many more. Having below abilities makes GOT3846T-832 surely a most robust and cost-effective solution.

Wide Operating Temperature Range

GOT3846T-832 features a technology of wide operating temperature range which allows it to work between -20°C to +55°C. It incorporates compact ID and fanless cooling system with a low power Intel® Atom™ processor N2600 1.6 GHz, making the platform a power-efficient solution.

Reliable and Stable Design

The GOT3846T-832 adopts a fan-less cooling system, which makes it especially suitable for vibration-heavy environments, best for the transportation, ship, and industrial machinery markets. For high capacity storage requirement, GOT3846T-832 can work under 1.0G (5 ~ 500Hz, random for 2.5" HDD) in operation mode with a patent of anti-vibration design. The patent improves the system reliability and sustainability.

WLAN Antenna Supported (optional)

GOT3846T-832 has a PCI Express Mini Card slot for optional add-ons such as wireless LAN card for 802.11 b/g connections & 3G/GPRS application, and more. It also provides an optional fixed rotational WLAN antenna for wireless network connection.

More Features

GOT3846T-832 utilizes one 204-pin DDR3 800 SODIMM system memory max. up to 2GB, one SATA HDD and one CF. It provides over-current protection-fuse and a full set of I/O including RS-232, RS-232/422/485, USB 2.0, audio (line-out), Gigabit Ethernet and VGA. Additionally, this slim unit supports panel mount, wall mount (optional), VESA mount (optional) and desktop stand (optional).

1.2 Specifications

1.2.1 Main CPU Board

- **CPU**
  - Intel® Atom™ N2600 1.6GHz processor onboard
- **System Chipset**
  - Intel® NM10 Express
- **BIOS**
  - America Megatrends BIOS
- **System Memory**
  - One 204-pin DDR3 800MHz SO-DIMM socket
  - Maximum memory up to 2GB

1.2.2 I/O System

- **Standard I/O**
  - 1 x RS-232/422/485, 3 x RS232
  - 4x USB 2.0
  - 1x VGA
- **Ethernet**
  - 2x RJ45 for Giga Ethernet
- **Audio**
  - 1 x Line-out
- **Expansion**
  - 1 x Mini-card slot
- **Storage**
  - 1 x 2.5" SATA HDD
  - 1 x CompactFlash™ Type-II(optional)
- **Power connector**
  - Phoenix power connector

1.2.3 System Specification

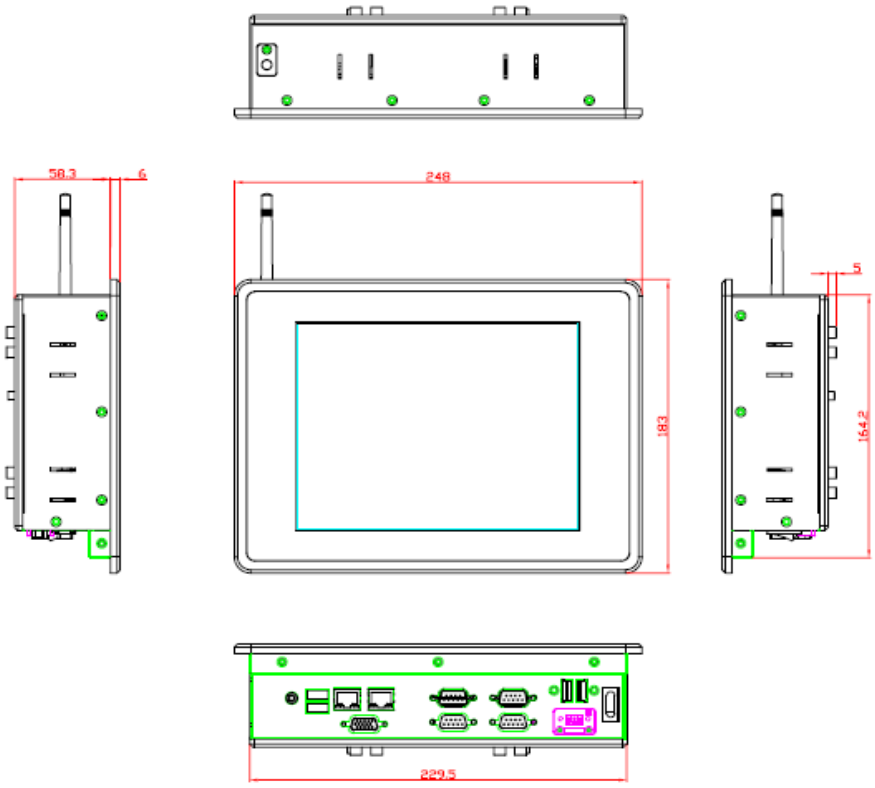
- **8.4" SVGA(800x600) LCD with LED backlight**
- **5 wired resistive Touch**
- **Fanless Heat Dispensing Design**
- **IP65 aluminum front bezel**
- **Disk drive housing:**
  - One 2.5" SATA drive
- **Net Weight**
  - 3.4 Kgs (7.49 lb)
- **Dimension (Main Body Size)**
  - 248x 58.3x 183mm
- **Operation Temperature**
  - -20℃ to 55℃
- **Relative Humidity**
  - 10% to 95% @ 40℃, Non-Condensing
- **Power input**
  - 10~30VDC with phoenix power connector

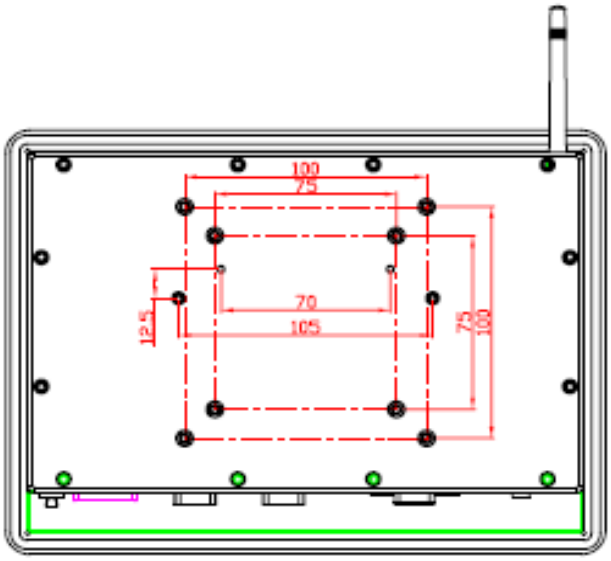
NOTE ***All specifications and images are subject to change without notice.***

NOTE ***If the operation temperature is higher than 40℃, the wide temperature DRAM is recommended to be used on the device.***

1.3 Dimensions

The following diagrams show the dimensions and outlines of GOT3846T-832.

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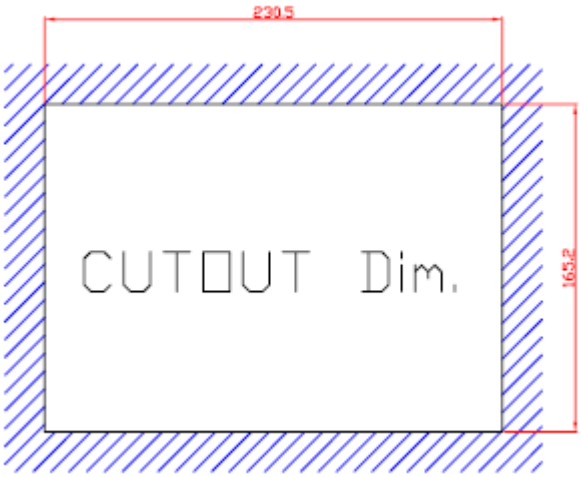
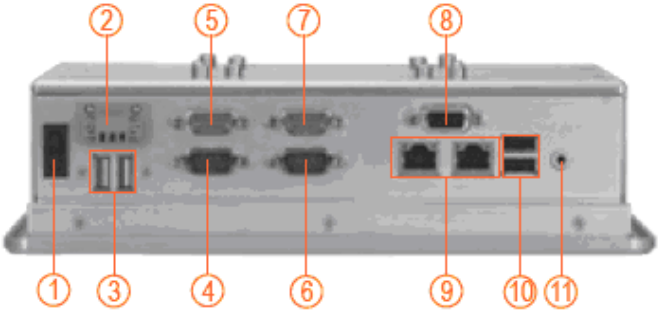

230.5
CUTOUT Dim.
165.2

1.4 I/O Outlets

Please refer to the following illustration for I/O locations of the GOT3846T-832.



1. Power switch
2. DC power input
3. USB 2.0 x 2
4. COM 1 (RS-232/422/485)
5. COM 3 (RS-232)
6. COM 2 (RS-232)
7. COM 4 (RS-232)
8. VGA
9. Ethernet x 2
10. USB 2.0 x 2
11. Audio (Line-out)

1.5 Packing List

When you receive the GOT3846T-832, the bundled package should contain the following items:

- GOT3846T-832 unit x 1
- Driver CD x1
- Phoenix connector x 1
- Panel mount kit x 6
- Wall mount Kit x 1
- Screws for HDD x 4

If you can not find the package or any items are missing, please contact Axiomtek distributors immediately.

CHAPTER 2
HARDWARE INSTALLATION

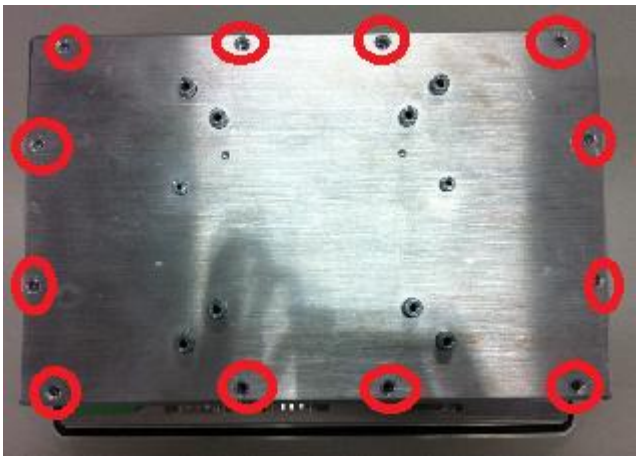
The GOT3846T-832 provides rich I/O ports and flexible expansions for you to meet different demand, for example CF card. The chapter will show you how to install the hardware. It includes:

- **CompactFlash™ Card**
- **Serial Port**
- **Ethernet**
- **Mounting Method**
- **Hard disk**
- **DRAM**
- **Wireless LAN Card**
- **Power**

2.1 Open back cover

This section tells users how to open back cover. Please follow the steps below.

Step 1 Unscrew 12 screws on the back cover. Please refer the photo below.

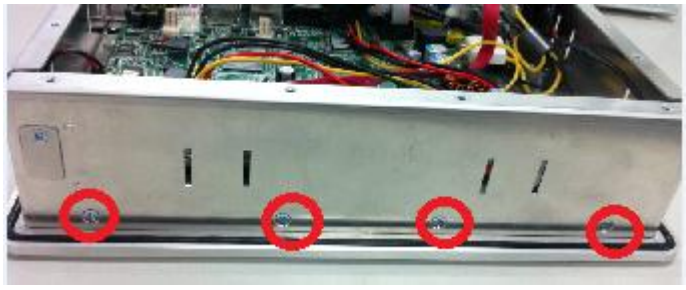


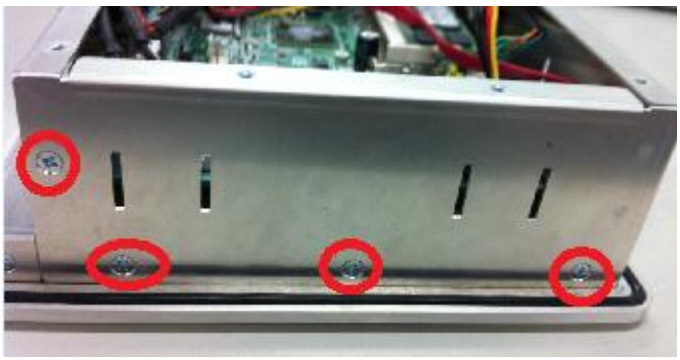
Step 2 Remove the back cover.

2.2 CF card Installation

The GOT3846T-832 provides one CF slot for users to install CompactFlash™ card. Please refer to the following instructions for installation:

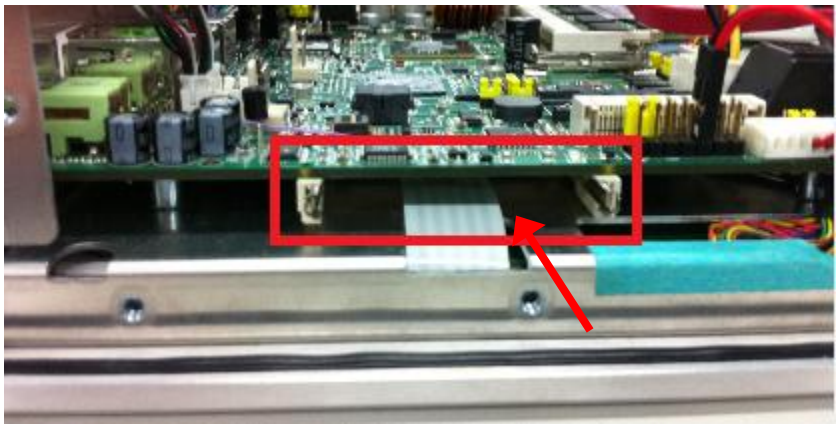
Step 1 Unscrew 12 screws on the chassis.





Step 2 Remove the chassis.

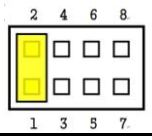
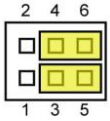
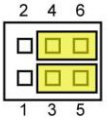
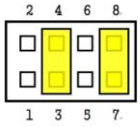
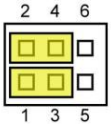
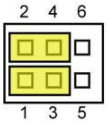
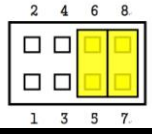
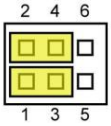
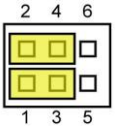
Step 3 Insert the card into the socket.



2.3 Serial Ports Interface

The GOT3846T-832 has four serial ports. COM1 is RS-232/422/485, while COM2, COM3, and COM4 are RS-232.

The following table shows you the pin assignments of this connector:

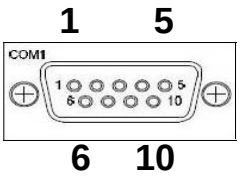
Description	Function	Jumper Setting		
COM 1	RS-232 (Default)	JP9  	JP7  	JP8 
	RS-422	JP9  	JP7  	JP8 
	RS-485	JP9  	JP7  	JP8 

2.3.1 COM1&COM2 Connector

The COM1 and COM2 is a standard DB-9 connector. This connector is equipped with +5V level power capability on DCD and +12V level on RI by setting JP10 and JP11. The pin assignment of RS-232/RS-422/RS-485 is listed on the following table. If you need COM1 port to support RS-422 or RS-485 mode, please refer to Jumper Settings

Pin	RS-232	RS-422	RS-485
1	DCD	TX-	Data-
2	RXD	TX+	Data+
3	TXD	RX+	N.C
4	DTR	RX-	N.C.
5	GND	No use	No use
6	DSR	No use	No use
7	RTS	No use	No use
8	CTS	No use	No use
9	RI	No use	No use

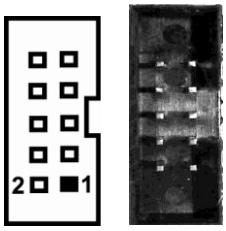
COM1 (SBC87832)



2.3.2 COM3&COM4 Connector

The COM3 and COM4 is a 2x5 pin box header. This connector is equipped with +5V level power capability on DCD and +12V level on RI by setting JP12 and JP13. The pin assignment of RS-232/RS-422/RS-485 is listed on the following table. If you need COM1 port to support RS-422 or RS-485 mode, please refer to Jumper Settings

Pin	Signal	Pin	Signal
1	DCD	2	DSR
3	RXD	4	RTS
5	TXD	6	CTS
7	DTR	8	RI
9	GND	10	N.C.

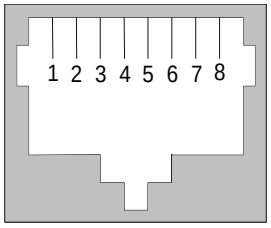


2.4 Ethernet

The GOT3846T-832 is equipped with a high performance Plug and Play Ethernet interface, full compliant with IEEE 802.3 standard, and can be connected with a RJ-45 LAN connector.

Please refer to detailed pin assignment list below:

Pin	Signal
1	TX+ (Data transmission positive
2	TX- (Data transmission negative)
3	Rx+(Data reception positive)
4	RJ45 termination
5	RJ45 termination
6	Rx- (Data reception negative)
7	RJ45 termination
8	RJ45 termination



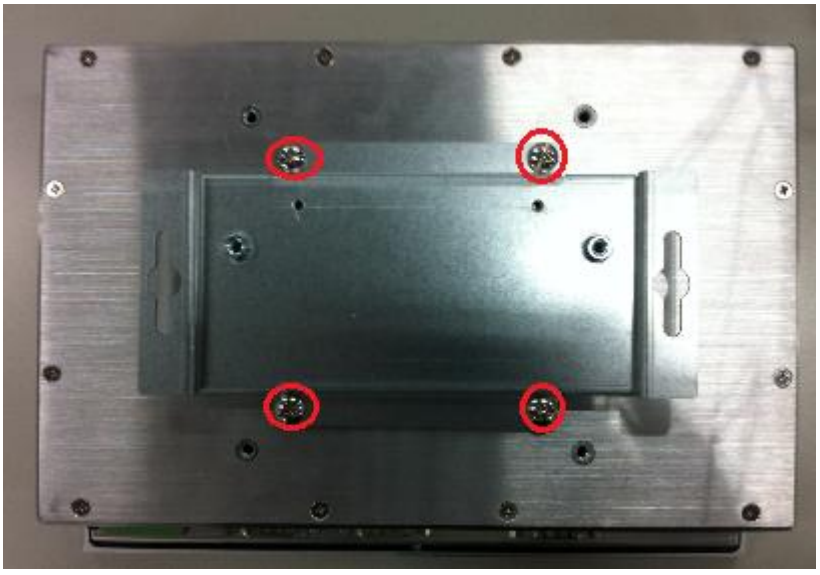
RJ-45

2.5 Mountings: Panel / Wall / Desktop / VESA

There are 4 application options for the GOT3846T-832, Panel/Wall/Desktop/VESA mountings.

2.5.1 VESA-ARM/Wall-Mount

The GOT3846T-832 provides VESA mount: 75x75 mm. Screw four screws to fix the kit in the back chassis.



2.5.2 Panel-mount Kit Assembly

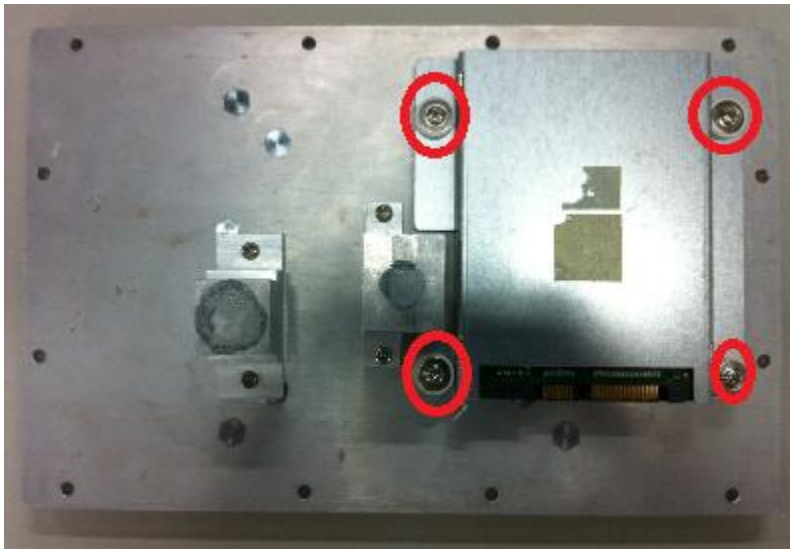
The GOT3846T-832 is designed for panel mount application. To mount the GOT3846T-832, the standard set of mounting kit (included in the system packaging) is needed.

2.6 HDD Installation

The GOT3846T-832 provides a convenient Hard Disk Drive (HDD) bracket for users to install 2.5" SATA HDD. Please follow the steps:

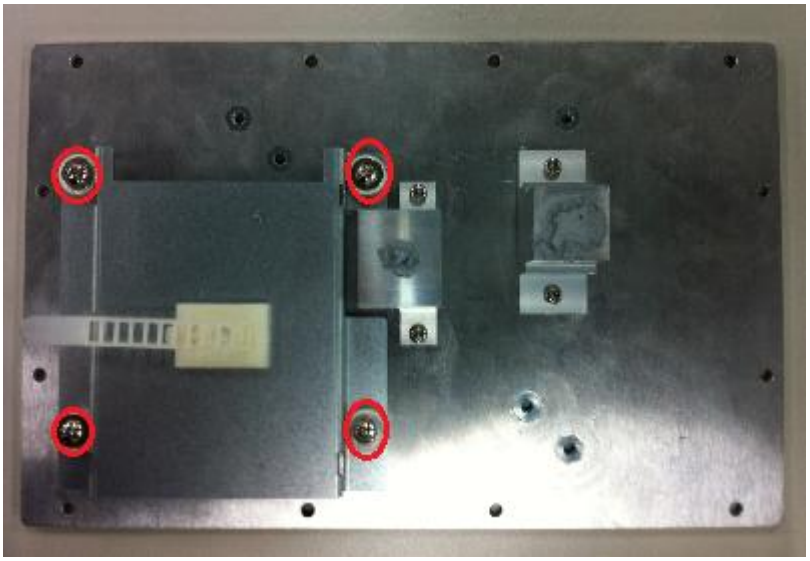
Step 1 Refer section 2.1 to open the back cover.

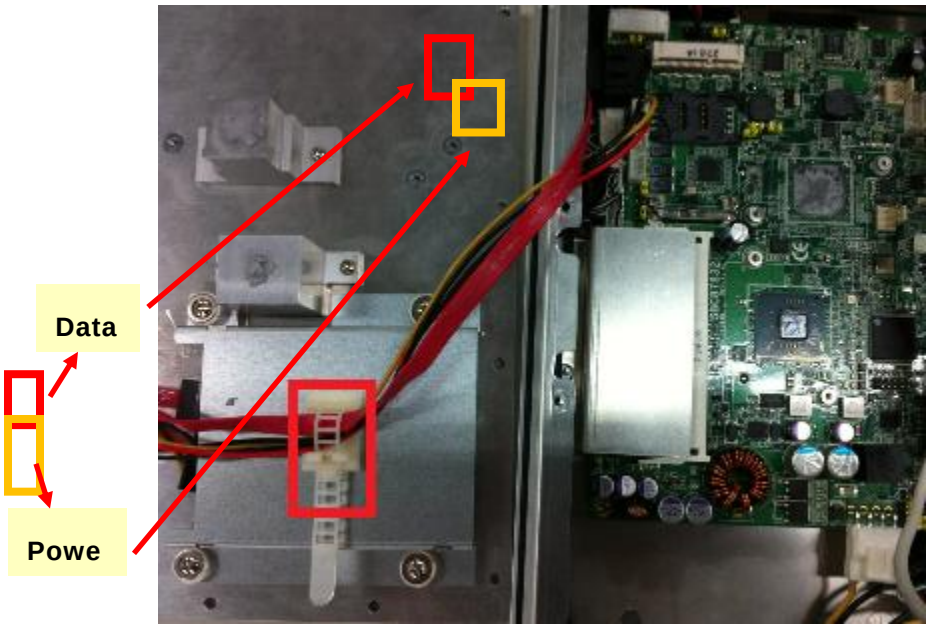
Step 2 Unscrew 4 screws to take off the HDD bracket.



Step 3 Fix the HDD on bracket by 4 screws.

Step 4 Fix the HDD bracket into the cover, fasten the power and data cable in the cable tie, then plug the cables to connectors. Installation completes.

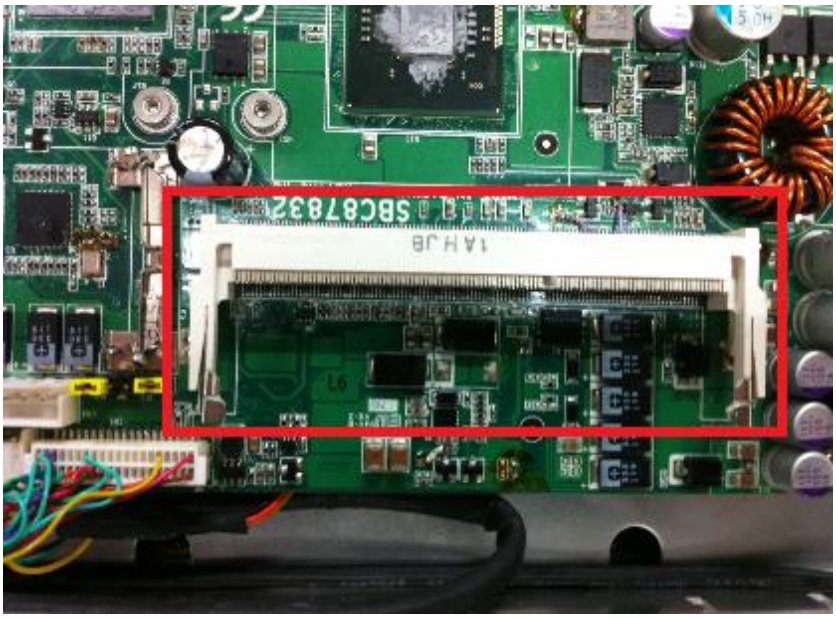



Data
Powe

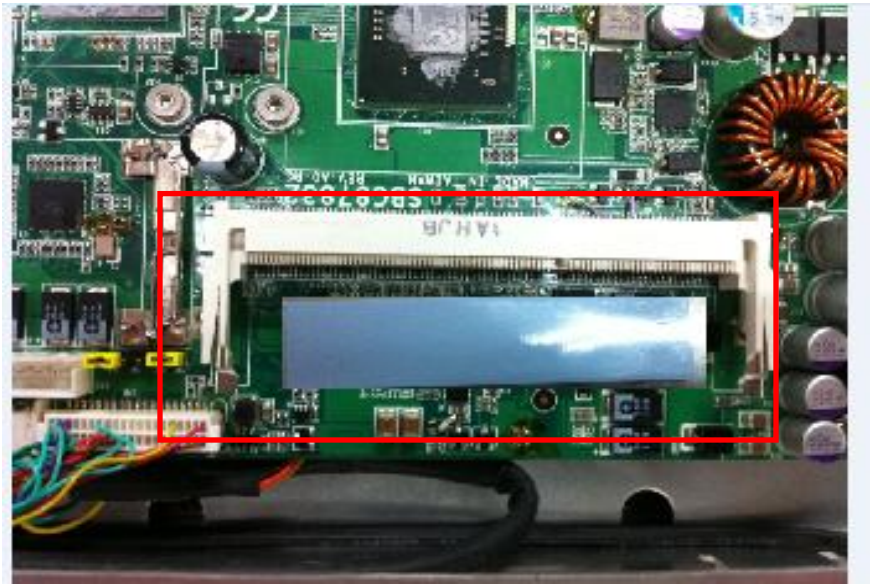
2.7 DRAM Installation

The GOT3846T-832 provides one 204-pin DDR3 SODIMM socket that support system memory up to 2GB. Please follow steps below to install the memory modules:

Step 1 Refer to section 2.1 to open the back cover and find out DIMM socket on mainboard (SBC87832).

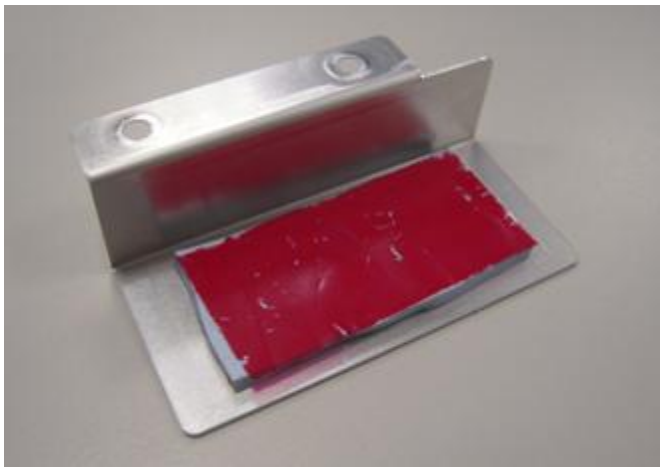


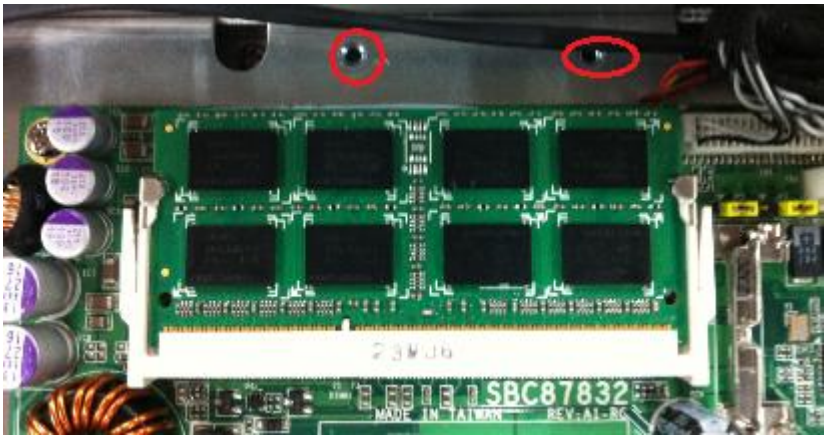
Step 2 Stick the thermal pad on the main board and rip the red mylar from it.

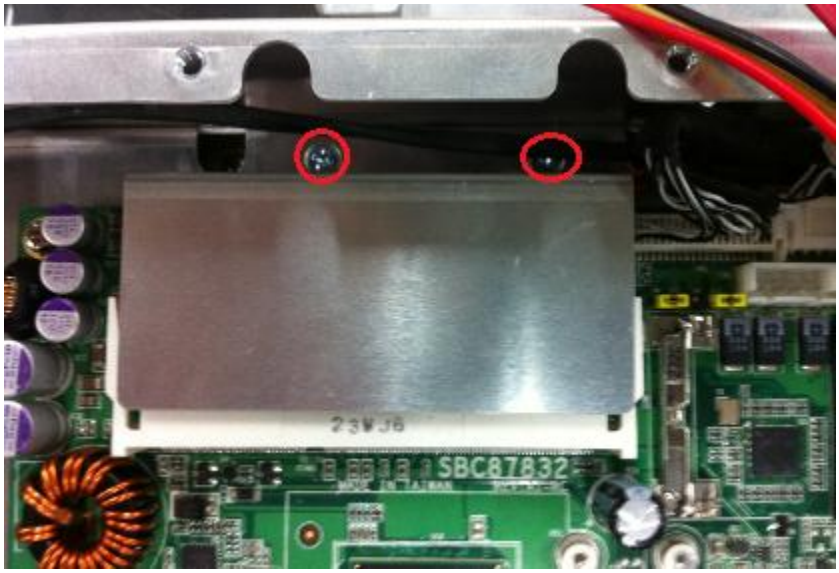


Step 3 Insert the DRAM to the DIMM socket, and then push it down firmly until it is clipped by the socket.

Step 4 Rip the red mylar from DRAM bracket, then screw it into the chassis. Installation completed.



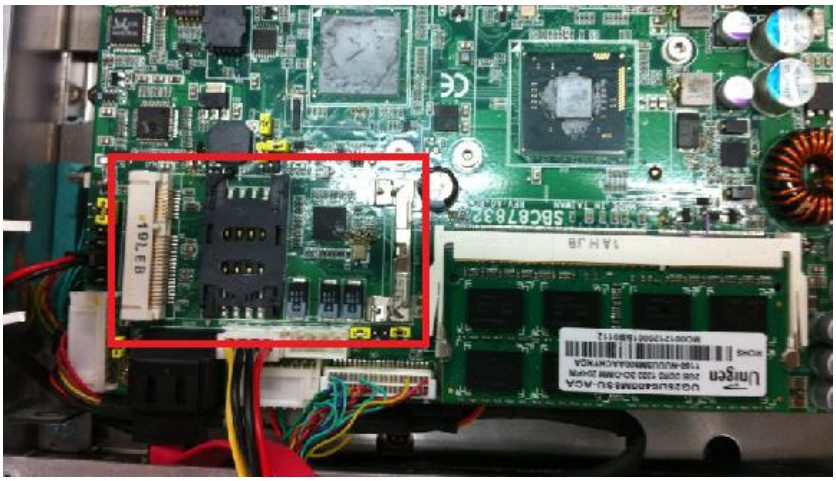



SBC87832

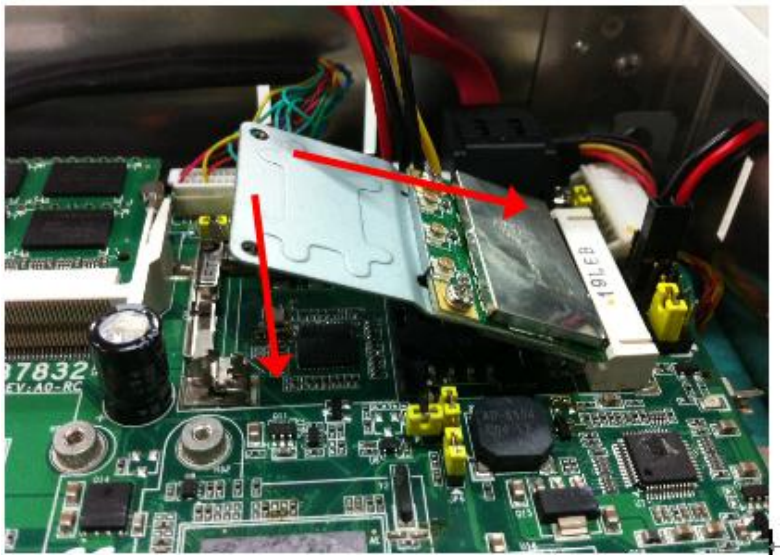
2.8 Wireless LAN Card Installation

The GOT3846T-832 provides one Mini card slot for user to install one wireless LAN card. When installing the wireless LAN card, refer to the following instructions and illustration:

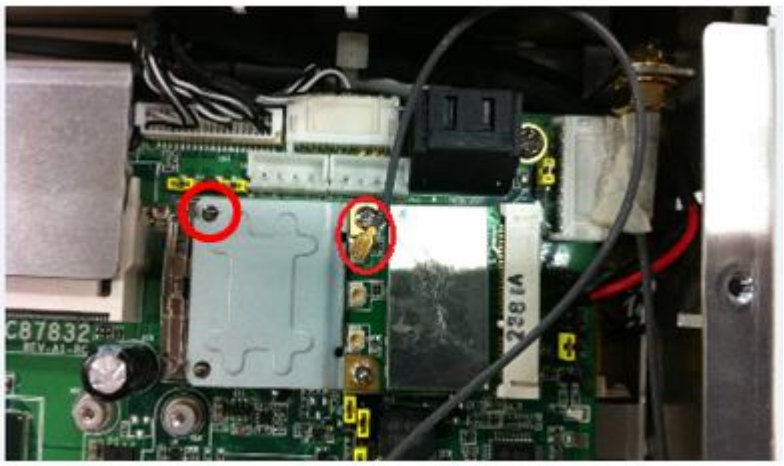
Step 1 Refer to section 2.1 to open the back cover and find out mini-card slot on mainboard.



Step 2 Insert the wireless LAN card to the slot. Push it down firmly until it is clipped by the slot.



Step 3 Find the built-in Antenna cable and connect it wireless LAN card.



Step 4 Lift the rubber stopper from the top of back cover.

Step 5 Install the antenna on the antenna connector.

NOTE: Please have the extented bracket when using half-size mini card.

2.9 Power

GOT3846T-832 equips with a phoenix type power connector. It adopts 10VDC to 30VDC. Please follow the signs on power connector to connect DC power source.

+: Power positive

G: Safty ground

—:Power negative

NOTE: The safty ground must be connected to ensure the uiit working appropriately.

MEMO:

CHAPTER 3
AMI BIOS SETUP UTILITY

This chapter provides users with detailed description how to set up basic system configuration through the AMIBIOS8 BIOS setup utility.

3.1 Starting

To enter the setup screens, follow the steps below:

Turn on the computer and press the <Del> key immediately.

After you press the <Delete> key, the main BIOS setup menu displays. You can access the other setup screens from the main BIOS setup menu, such as the Chipset and Power menus.

3.2 Navigation Keys

The BIOS setup/utility uses a key-based navigation system called hot keys. Most of the BIOS setup utility hot keys can be used at any time during the setup navigation process.

These keys include <F1>, <F10>, <Enter>, <ESC>, <Arrow> keys, and so on.

Note: Some of navigation keys differ from one screen to another.

← Left/Right	The Left and Right <Arrow> keys allow you to select a setup screen.
↑↓ Up/Down	The Up and Down <Arrow> keys allow you to select a setup screen or sub-screen.
+– Plus/Minus	The Plus and Minus <Arrow> keys allow you to change the field value of a particular setup item.
Tab	The <Tab> key allows you to select setup fields.
F1	The <F1> key allows you to display the General Help screen.
F10	The <F10> key allows you to save any changes you have made and exit Setup. Press the <F10> key to save your changes.
Esc	The <Esc> key allows you to discard any changes you have made and exit the Setup. Press the <Esc> key to exit the setup without saving your changes.
Enter	The <Enter> key allows you to display or change the setup option listed for a particular setup item. The <Enter> key can also allow you to display the setup sub- screens.

3.3 Main Menu

When you first enter the Setup Utility, you will enter the Main setup screen. You can always return to the Main setup screen by selecting the Main tab. There are two Main Setup options. They are described in this section. The Main BIOS Setup screen is shown below.

- **System Time/Date**

  Use this option to change the system time and date. Highlight System Time or System Date using the <Arrow> keys. Enter new values through the keyboard. Press the <Tab> key or the <Arrow> keys to move between fields. The date must be entered in MM/DD/YY format. The time is entered in HH:MM:SS format.

3.4 Advanced Menu

- **Launch PXE OpROM**

Use this item to enable or disable the boot ROM function of the onboard LAN chip when the system boots up.

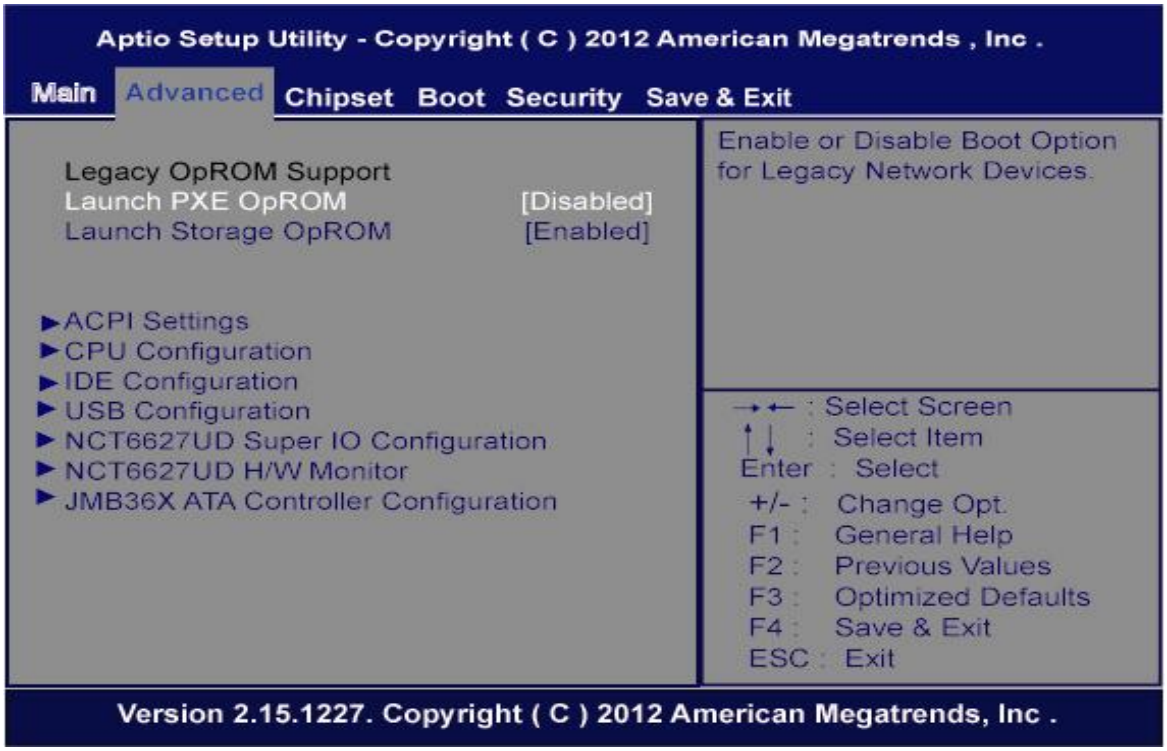
- **Launch Storage OpROM**

Enable or disable boot option for legacy mass storage devices with Option ROM.

The Advanced menu allows users to set configuration of the CPU and other system devices. You can select any of the items in the left frame of the screen to go to the sub menus:

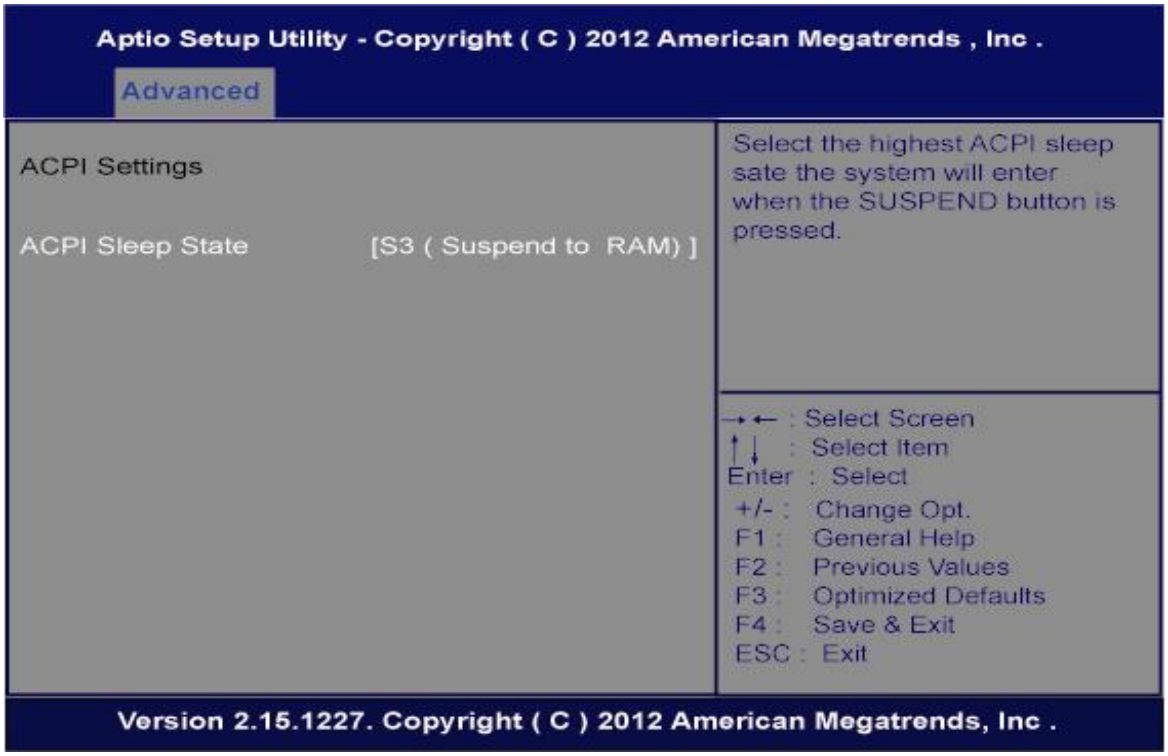
- ► ACPI Settings
- ► CPU Configuration
- ► IDE Configuration
- ► USB Configuration
- ► NCT6627UD Superior IO Configuration
- ► NCT6627UD HW Monitor
- ► JMB36X ATA Controller Configuration

For items marked with "►", please press <Enter> for more options.



- **ACPI Settings**

You can use this screen to select options for the ACPI Settings, and change the value of the selected option. A description of the selected item appears on the right side of the screen.

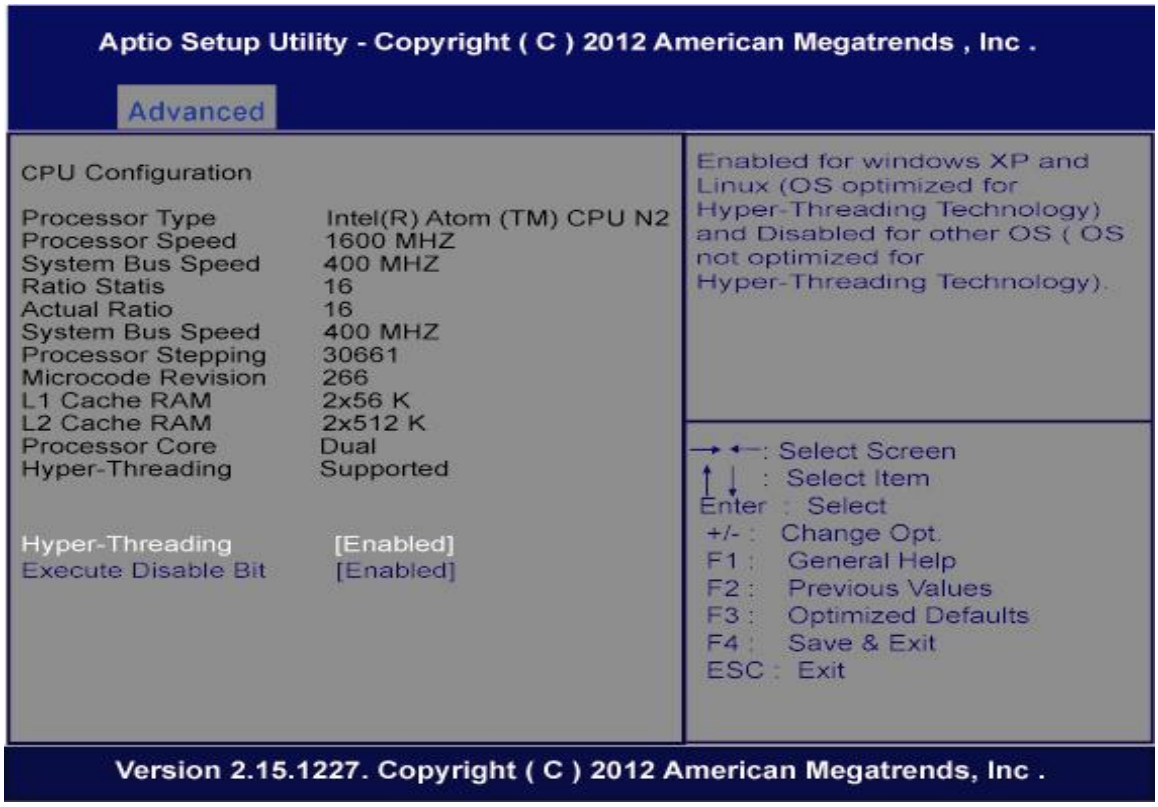

Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
ACPI Settings
ACPI Sleep State
[S3 (Suspend to RAM)]
Select the highest ACPI sleep sate the system will enter when the SUSPEND button is pressed.
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **ACPI Sleep State**

  Use this item to select the highest ACPI sleep state the system will enter.

- **CPU Configuration**

This screen shows the CPU Configuration, and you can change the value of the selected option.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
CPU Configuration
Processor Type Intel(R) Atom (TM) CPU N2
Processor Speed 1600 MHZ
System Bus Speed 400 MHZ
Ratio Statis 16
Actual Ratio 16
System Bus Speed 400 MHZ
Processor Stepping 30661
Microcode Revision 266
L1 Cache RAM 2x56 K
L2 Cache RAM 2x512 K
Processor Core Dual
Hyper-Threading Supported
Hyper-Threading [Enabled]
Execute Disable Bit [Enabled]
Enabled for windows XP and Linux (OS optimized for Hyper-Threading Technology) and Disabled for other OS (OS not optimized for Hyper-Threading Technology).
: Select Screen
: Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

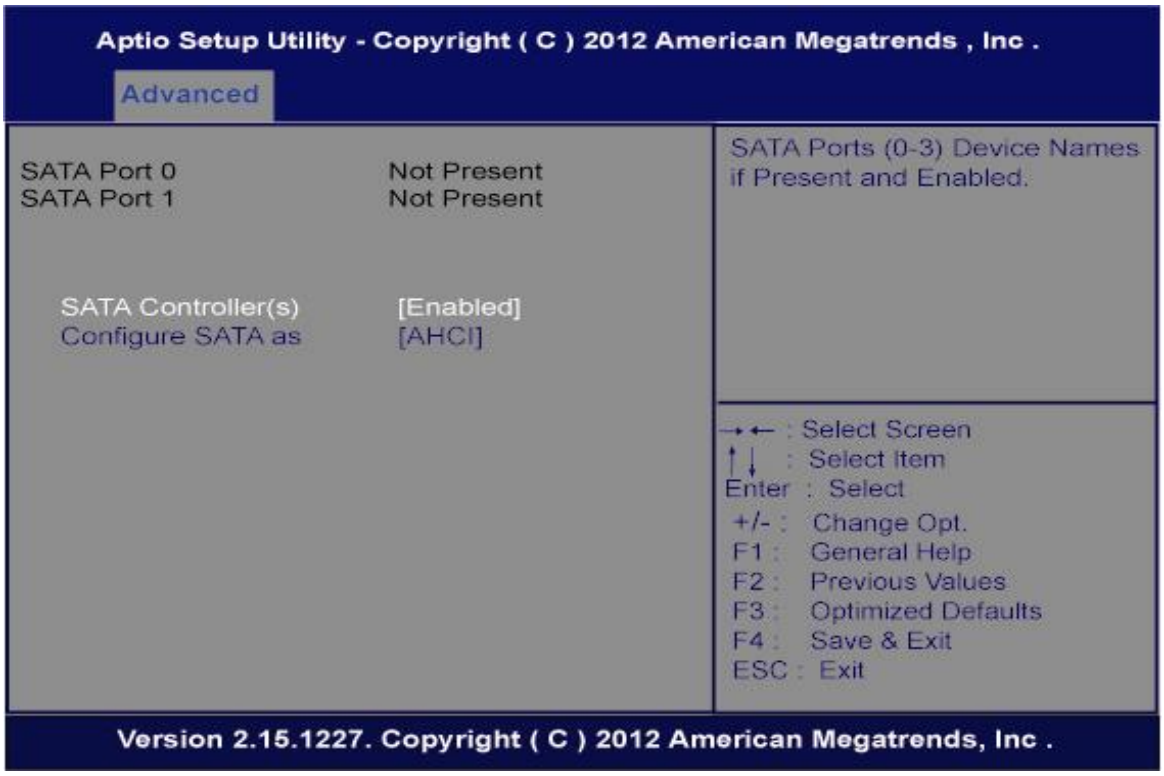
- **Hyper Threading Technology**

  Use this item to enable or disable Hyper-Threading Technology, which makes a single physical processor perform multi-tasking function as two logical ones.

- **Execute Disable Bit**

  This item helps you enable or disable the No-Execution Page Protection Technology

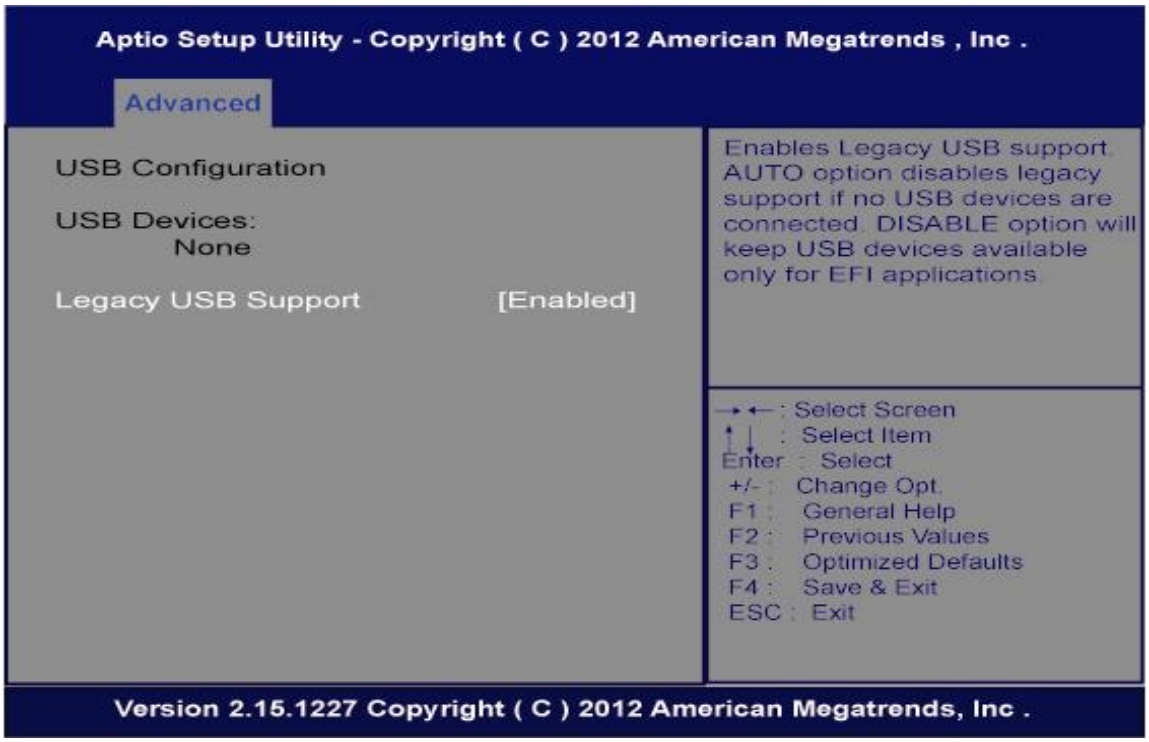
- **IDE Configuration**


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
SATA Port 0 Not Present
SATA Port 1 Not Present
SATA Controller(s) [Enabled]
Configure SATA as [AHCI]
SATA Ports (0-3) Device Names if Present and Enabled.
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **SATA Controller(s)**
  The optional settings are: [Disabled]; [Enabled].
- **Configure SATA as**
  The optional settings are: [IDE]; [AHCI].

- **USB Configuration**

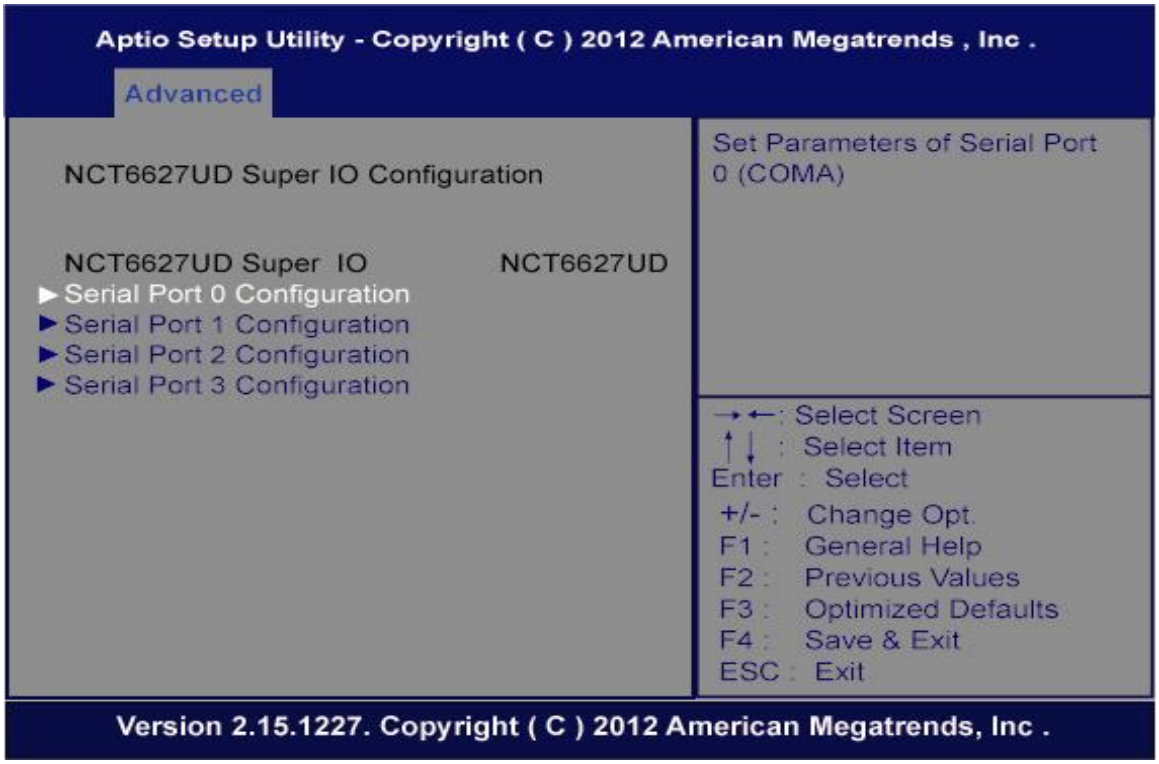
You can use this screen to select options for the USB Configuration, and change the value of the selected option. A description of the selected item appears on the right side of the screen.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
USB Configuration
USB Devices:
None
Legacy USB Support [Enabled]
Enables Legacy USB support. AUTO option disables legacy support if no USB devices are connected. DISABLE option will keep USB devices available only for EFI applications.
→ ← : Select Screen
↑ ↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227 Copyright (C) 2012 American Megatrends, Inc .

- **Legacy USB Support**
  The optional settings are: [Auto]; [Disabled]; [Enabled].

- **NCT6627UD Super IO Configuration**

You can use this screen to select options for the Super IO Configuration, and change the value of the selected option. A description of the selected item appears on the right side of the screen

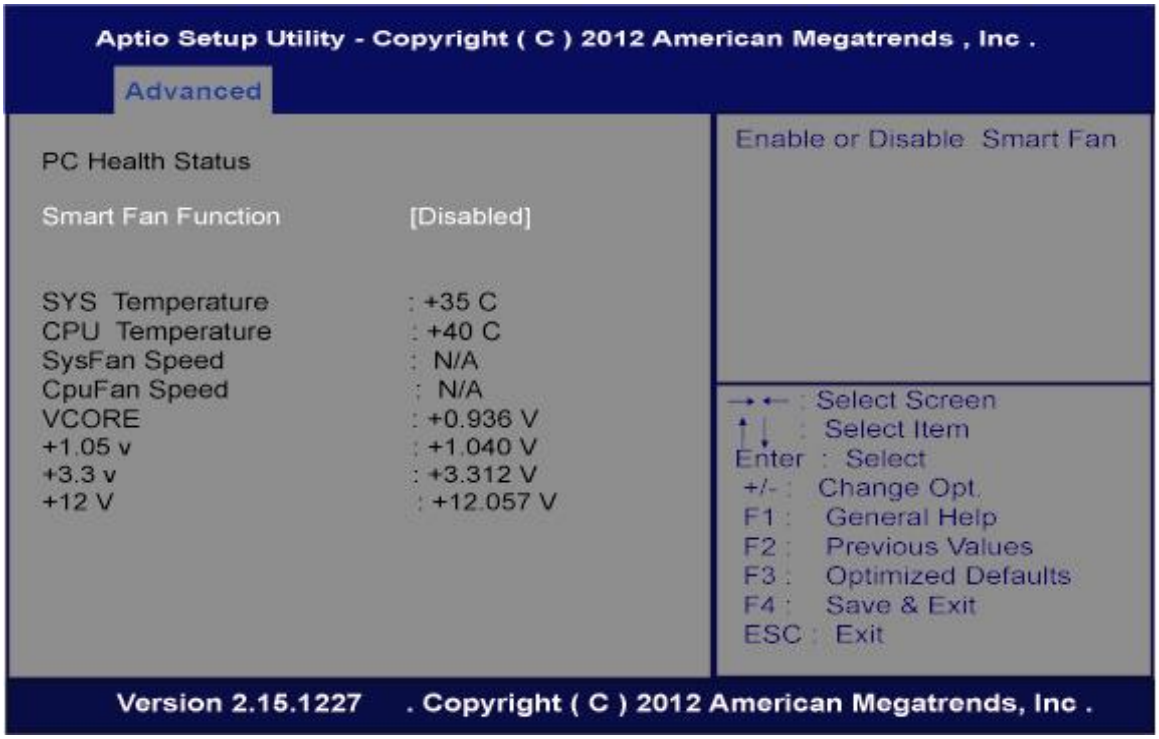

Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
NCT6627UD Super IO Configuration
NCT6627UD Super IO NCT6627UD
▶ Serial Port 0 Configuration
▶ Serial Port 1 Configuration
▶ Serial Port 2 Configuration
▶ Serial Port 3 Configuration
Set Parameters of Serial Port 0 (COMA)
→←: Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **Serial Port Configuration**

  Use this item to set parameters of serial port 0~3.

- **PC Health Status**

This screen shows the Hardware Health Configuration, and a description of the selected item appears on the right side of the screen.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Advanced
PC Health Status
Smart Fan Function [Disabled]
SYS Temperature : +35 C
CPU Temperature : +40 C
SysFan Speed : N/A
CpuFan Speed : N/A
VCORE : +0.936 V
+1.05 v : +1.040 V
+3.3 v : +3.312 V
+12 V : +12.057 V
Enable or Disable Smart Fan
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227 . Copyright (C) 2012 American Megatrends, Inc .

3.5 Chipset Menu

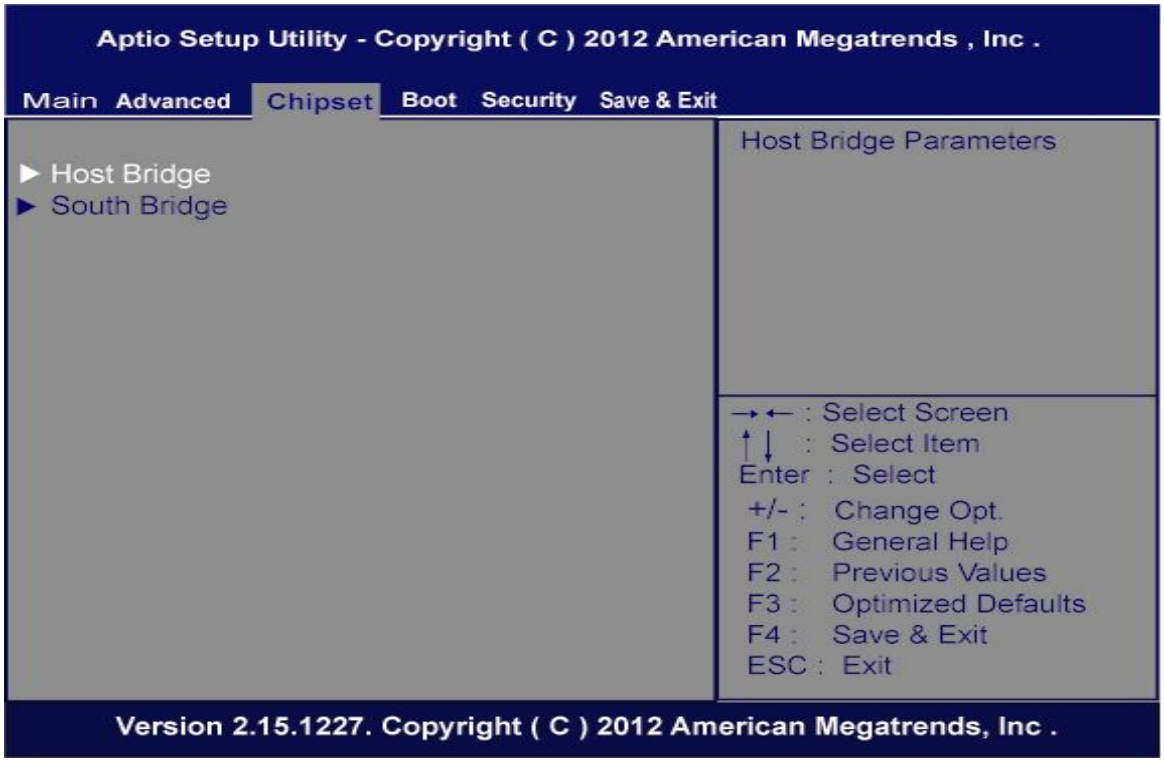
The Chipset menu allows users to change the advanced chipset settings. You can select any of the items in the left frame of the screen to go to the sub menus:

- **Host Bridge**

Host Bridge For items marked with "►", please press <Enter> for more options.

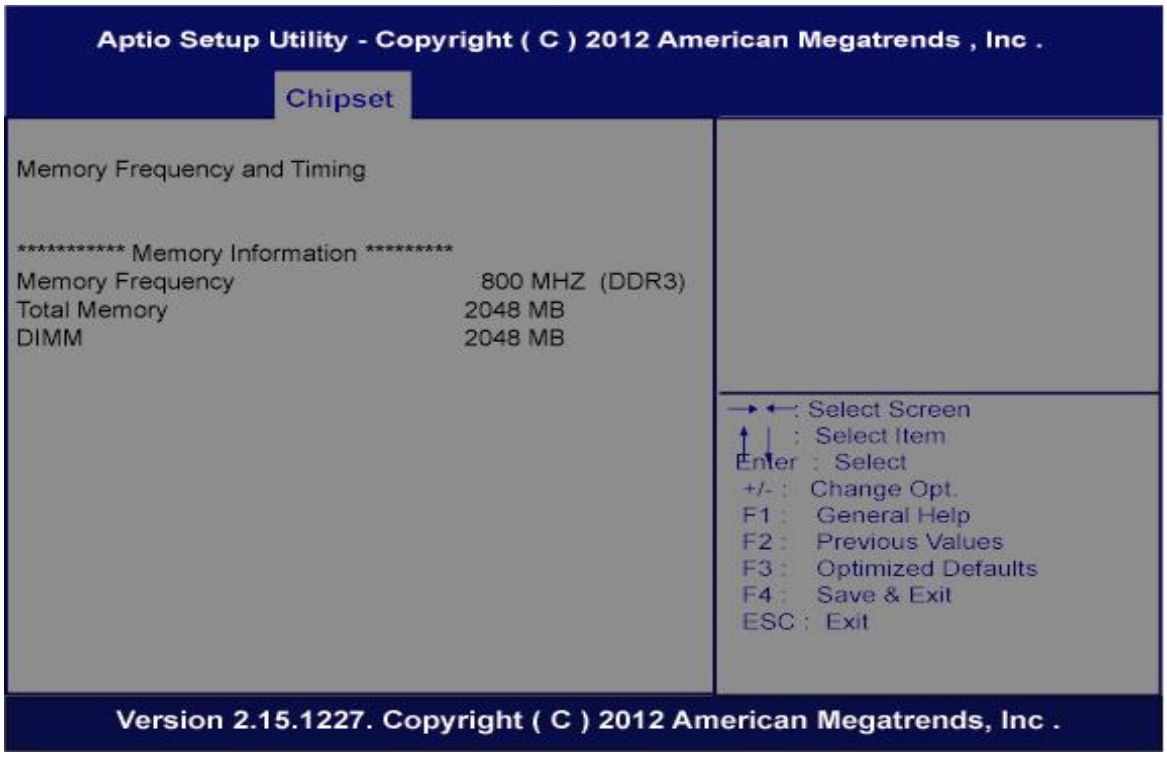
- **South Bridge**

South Bridge For items marked with "►", please press <Enter> for more options.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Main Advanced Chipset Boot Security Save & Exit
► Host Bridge
► South Bridge
Host Bridge Parameters
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **Memory Frequency and Timing**

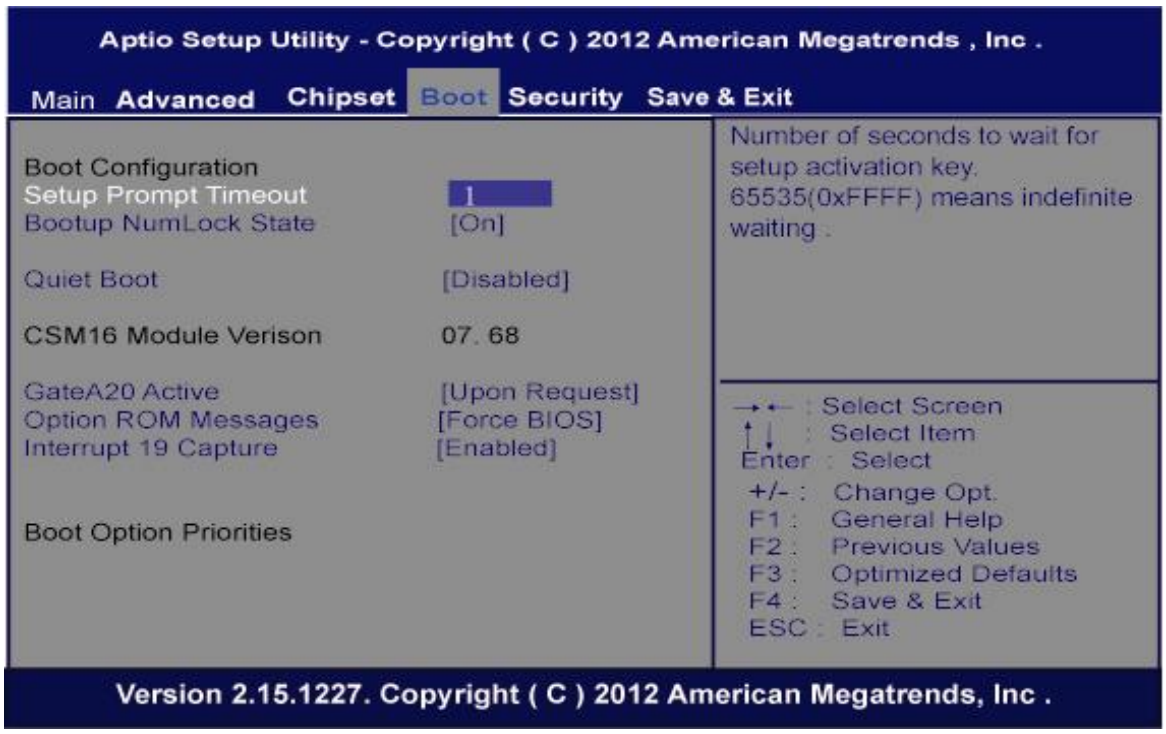
This item is for memory frequency and timing settings. Press <Enter> to go to the sub menu.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Chipset
Memory Frequency and Timing
********** Memory Information *********
Memory Frequency 800 MHZ (DDR3)
Total Memory 2048 MB
DIMM 2048 MB
→ ←: Select Screen
↑ ↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

3.6 Boot Menu

The Boot menu allows users to change boot options of the system.

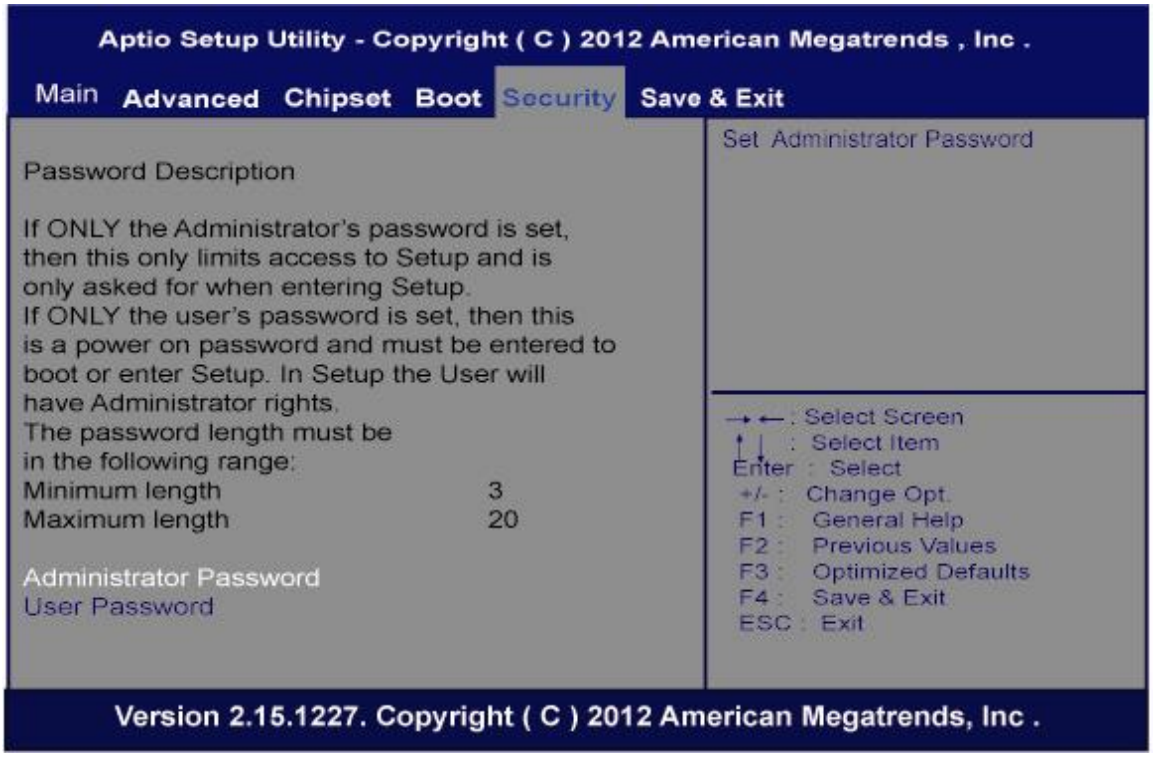
- **Boot Settings Configuration**


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Main Advanced Chipset Boot Security Save & Exit
Boot Configuration
Setup Prompt Timeout
1
Bootup NumLock State
[On]
Quiet Boot
[Disabled]
CSM16 Module Verison
07. 68
GateA20 Active
[Upon Request]
Option ROM Messages
[Force BIOS]
Interrupt 19 Capture
[Enabled]
Boot Option Priorities
Number of seconds to wait for setup activation key. 65535(0xFFFF) means indefinite waiting .
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **Setup Prompt Timeout**
  Use this item to set number of seconds to wait for setup activation key.
- **Bootup NumLock State**
  Use this item to select the power-on state for the NumLock.. The optional settings are: [On]; [Off].
- **GateA20 Active**
  If Upon Request is selected, GA20 can be disabled using BIOS services. If Always is selected, disabling G20 is not allowed; this option is useful when any RT code is executed above 1MB.
- **Option ROM Messages**
  Set display mode for option ROM. Configuration options are Force BIOS and Keep Current.
- **Interrupt 19 Capture**
  If this item is enabled, this function makes the option ROM to trap Interrupt 19.
- **Boot Option Priorities**
  These are settings for boot priority. Specify the boot device priority sequence from the available devices.

3.7 Security Menu

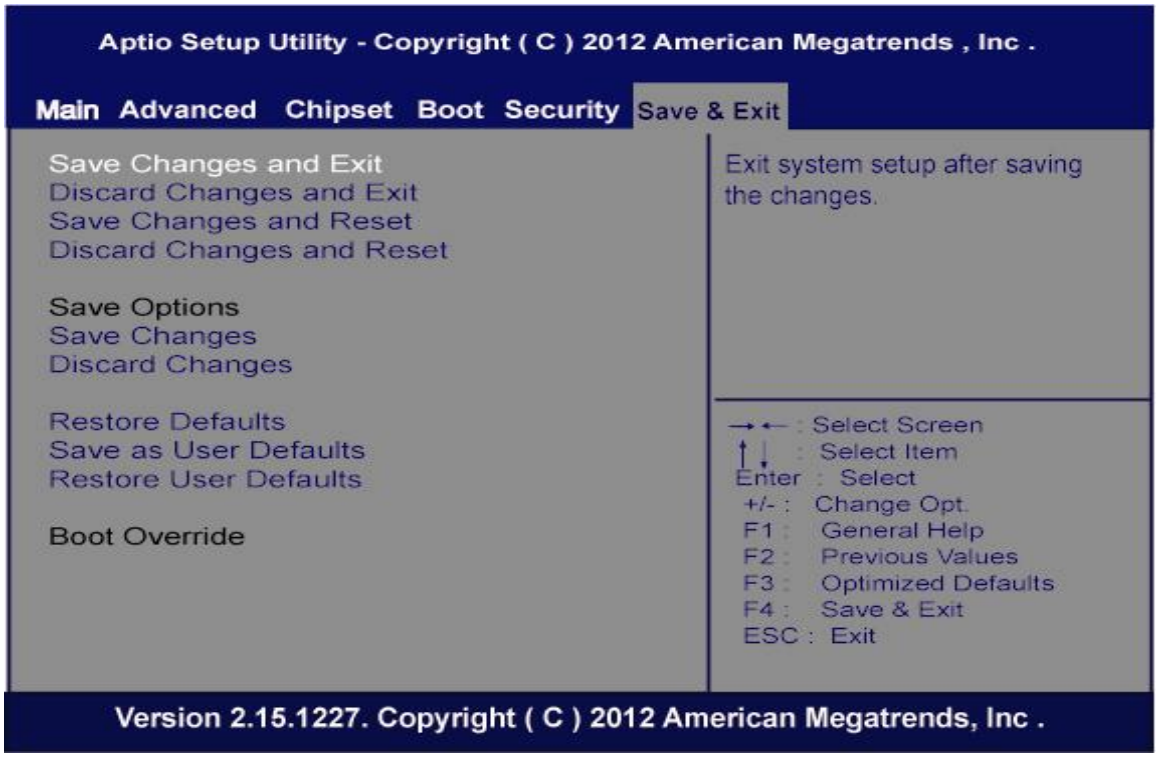
The Security menu allows users to change the security settings for the system.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Main
Advanced
Chipset
Boot
Security
Save & Exit
Password Description
If ONLY the Administrator's password is set, then this only limits access to Setup and is only asked for when entering Setup.
If ONLY the user's password is set, then this is a power on password and must be entered to boot or enter Setup. In Setup the User will have Administrator rights.
The password length must be in the following range:
Minimum length 3
Maximum length 20
Administrator Password
User Password
Set Administrator Password
→ ← : Select Screen
↑ ↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **Administrator Password**
  This item indicates whether an administrator password has been set. If the password has been installed, Installed displays. If not, Not Installed displays.
- **User Password**
  This item indicates whether a user password has been set. If the password has been installed, Installed displays. If not, Not Installed displays.

3.8 Exit Menu

The Save & Exit menu allows users to load system configuration with optimal or failsafe default values.


Aptio Setup Utility - Copyright (C) 2012 American Megatrends , Inc .
Main Advanced Chipset Boot Security Save & Exit
Save Changes and Exit
Discard Changes and Exit
Save Changes and Reset
Discard Changes and Reset
Save Options
Save Changes
Discard Changes
Restore Defaults
Save as User Defaults
Restore User Defaults
Boot Override
Exit system setup after saving the changes.
→← : Select Screen
↑↓ : Select Item
Enter : Select
+/- : Change Opt.
F1 : General Help
F2 : Previous Values
F3 : Optimized Defaults
F4 : Save & Exit
ESC : Exit
Version 2.15.1227. Copyright (C) 2012 American Megatrends, Inc .

- **Save Changes and Exit**
  When you have completed the system configuration changes, select this option to leave Setup and reboot the computer so the new system configuration parameters can take effect. Select Save Changes and Exit from the Exit menu and press <Enter>. Select Ok to save changes and exit.

- **Discard Changes and Exit**
  Select this option to quit Setup without making any permanent changes to the system configuration. Select Discard Changes and Exit from the Exit menu and press <Enter>. Select Ok to discard changes and exit.

- **Save Changes and Reset**
  When you have completed the system configuration changes, select this option to leave Setup and reboot the computer so the new system configuration parameters can take effect. Select Save Changes and Reset from the Save & Exit menu and press <Enter>. Select Yes to save changes and reset.

- **Discard Changes and Reset**
  Select this option to quit Setup without making any permanent changes to the system configuration and reboot the computer. Select Discard Changes and Reset from the Save & Exit menu and press <Enter>. Select Yes to discard changes and reset.

- **Save Changes**
  When you have completed the system configuration changes, select this option to save changes. Select Save Changes from the Save & Exit menu and press <Enter>. Select yes to save changes.

- **Discard Changes**
  Select this option to quit Setup without making any permanent changes to the system configuration. Select Discard Changes from the Save & Exit menu and press <Enter>. Select Yes to discard changes.

- **Restore Defaults**
  It automatically sets all Setup options to a complete set of default settings when you select this option. Select Restore Defaults from the Save & Exit menu and press <Enter>.

- **Save as User Defaults**
  Select this option to save system configuration changes done so far as User Defaults. Select Save as User Defaults from the Save & Exit menu and press <Enter>.

- **Restore User Defaults**
  It automatically sets all Setup options to a complete set of User Defaults when you select this option. Select Restore User Defaults from the Save & Exit menu and press <Enter>.

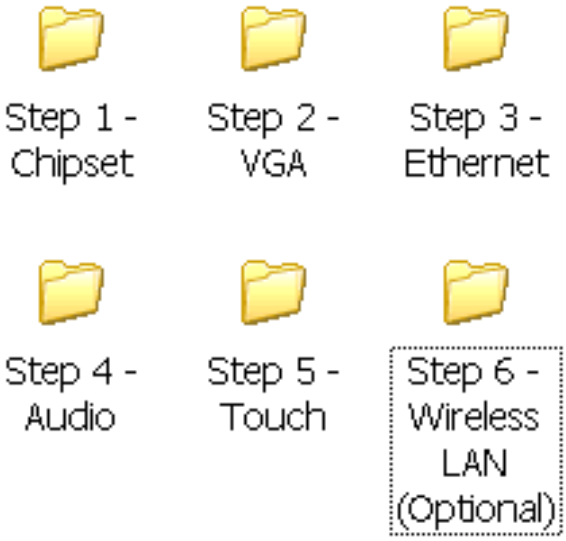
- **Boot Override**
  Select a drive to immediately boot that device regardless of the current boot order.

CHAPTER 4
DRIVERS INSTALLATION

4.1 System

GOT3846T-832 supports Windows 7 32-bit and WES 7. To facilitate the installation of system driver, please carefully read the instructions in this chapter before start installing.

1. Insert Driver CD and select the "\Drivers".



2. Select all files and follow the installing procedure.

4.2 Touch Screen

The GOT3846T-832 uses the 5-wire analog resistve. There are the specification and driver installation which are listed below.

4.2.1 Specification

Touch Screen	5-wire Analog Resistive type
Touch Screen Controller	PenMount 6000 USB Touch Screen Controller IC
Communications	USB interface
Baud Rate	19200 baud rate fixed
Resolution	800 x 600
Power Input	5V
Power Consumption	Active: 24.6mA / Idle Mode: 13.4mA

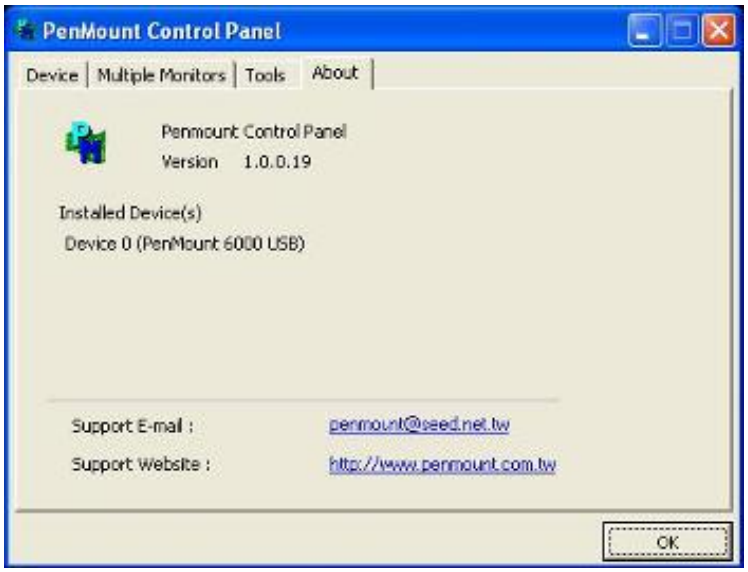
4.2.2 Driver Installation- Windows 7

The GOT3846T-832 provides a touch screen driver that users can install it under the operating system Windows 7. To facilitate installation of the touch screen driver, you should read the instructions in this chapter carefully before you attempt installation.

1. Insert Driver CD and follow the path to select the "\Drivers\Step 5 - Touch".

2. Follow the installing procedure and press OK.

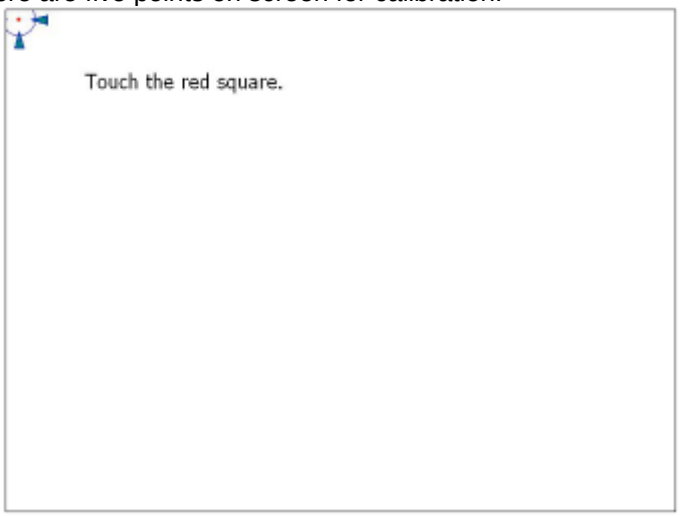
3. Click Start menu and select "PenMount Utilities"; and then, a "PenMount Control Panel" pops out.



4. Select the "Standard Calibrate" tab.

5. Calibration:

   To adjust the display with touch panel, click "Calibration" and follow the calibrate point to do calibration; there are five points on screen for calibration.



6. Press OK.

4.3 Embedded O.S.

The GOT3846T-832 provides the Windows 7 Embedded. The O.S. is supported devices which are listed below.

4.3.1 WES 7

Here are supported onboard devices:

- Onboard Multi I/O
- SATA HDD
- USB
- PS2 Keyboard and mouse
- CRT/LCD display
- 10/100/1000 base-T Ethernet
- Compact Flash
- Onboard Audio
- Touch Screen

PenMount Touch screen

Before you can use and calibrate it, here is what you should do:

1. Set up Penmount touch device driver by executing C:\Penmount\ Windows 2000-XP V5.0\setup.exe. When the installation is finished, an icon "PM" appears on the Taskbar.
2. Calibrate Penmount touch by clicking on the "PM" icon, and the go on the calibration.
3. Restart the computer.

MEMO: